



Steep Hill Arkansas

11711 HERMITAGE ROAD, SUITE #5, LITTLE ROCK, AR 72211 LICENSE #: BL157155

CERTIFICATE OF ANALYSIS

Sample Name: CBD Gummies 30ct
 Steep Hill ID: AR94029
 Batch ID: NAHG002
 State ID: 15mg CBD per Gummy
 Sample Type: Edible
 Date Received: 11/11/2020
 Date Reported: 11/15/2020
 Pkg. Mass: 152 g
 # of Servings: 30

Customer: New Age Hemp LLC
 4931 Central Ave
 Hot Springs, AR 71913

OVERALL BATCH SUMMARY: **PASS**

Cannabinoids	Residual Pesticides	Microbial Impurities	Heavy Metals	Residual Solvents	Moisture	Water Activity
Tested	Pass	Pass	Pass	Pass	NT	NT



Total THC
 Not Detected
 Not Detected
 Not Detected
 Not Detected

Total CBD
 0.301 %
 3.01 mg/g
 457 mg/pkg
 15.2 mg/serv

Total Cannabinoids
 0.301 %
 3.01 mg/g
 457 mg/pkg
 15.2 mg/serv

Brandon Thornton
 Pharm D. Co-Owner & CEO
 Date: 11/15/2020

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CERTIFICATE OF ANALYSIS

Cannabinoid Results

11/13/2020

Standard potency analysis utilizing Ultra High Performance Liquid Chromatography (UHPLC; SOP-068-AR)

Analyte	%	mg/g	mg/pkg	mg/serv	LOD mg/g	LOQ mg/g
CBC	NT	NT	NT	NT	NT	NT
CBD	0.301	3.01	457	15.2	0.000693	0.00231
CBDA	ND	ND	ND	ND	0.00189	0.00630
CBDV	NT	NT	NT	NT	NT	NT
CBG	NT	NT	NT	NT	NT	NT
CBGA	NT	NT	NT	NT	NT	NT
CBN	NT	NT	NT	NT	NT	NT
THC	ND	ND	ND	ND	0.00100	0.00334
delta-8-THC	NT	NT	NT	NT	NT	NT
THCA	ND	ND	ND	ND	0.00142	0.00473
THCV	NT	NT	NT	NT	NT	NT
Total	0.301	3.01	457	15.2		

Terpenoid Results

NT

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-AR)

This method is not included in our ISO accreditation scope.

Analyte	%	mg/g	LOD mg/g	LOQ mg/g	Analyte	%	mg/g	LOD mg/g	LOQ mg/g
α -Bisabolol	NT	NT	NT	NT	Linalool	NT	NT	NT	NT
endo-Borneol	NT	NT	NT	NT	Menthol	NT	NT	NT	NT
Camphene	NT	NT	NT	NT	β -Myrcene	NT	NT	NT	NT
Camphor	NT	NT	NT	NT	Nerol	NT	NT	NT	NT
3-Carene	NT	NT	NT	NT	cis-Nerolidol	NT	NT	NT	NT
Caryophyllene Oxide	NT	NT	NT	NT	trans-Nerolidol	NT	NT	NT	NT
β -Caryophyllene	NT	NT	NT	NT	cis- β -Ocimene	NT	NT	NT	NT
α -Cedrene	NT	NT	NT	NT	trans- β -Ocimene	NT	NT	NT	NT
Cedrol	NT	NT	NT	NT	α -Phellandrene	NT	NT	NT	NT
Eucalyptol	NT	NT	NT	NT	α -Pinene	NT	NT	NT	NT
β -Farnesene	NT	NT	NT	NT	β -Pinene	NT	NT	NT	NT
Fenchol	NT	NT	NT	NT	Pulegone	NT	NT	NT	NT
Fenchone	NT	NT	NT	NT	Sabinene	NT	NT	NT	NT
Geraniol	NT	NT	NT	NT	Sabinene Hydrate	NT	NT	NT	NT
Geranyl Acetate	NT	NT	NT	NT	α -Terpinene	NT	NT	NT	NT
Guaiol	NT	NT	NT	NT	γ -Terpinene	NT	NT	NT	NT
α -Humulene	NT	NT	NT	NT	Terpineol	NT	NT	NT	NT
Isoborneol	NT	NT	NT	NT	Terpinolene	NT	NT	NT	NT
Isopulegol	NT	NT	NT	NT	Valencene	NT	NT	NT	NT
Limonene	NT	NT	NT	NT	Total	NT	NT	NT	NT

LOD: Limit of Detection
 LOQ: Limit of Quantitation
 NT: Not Tested
 ND: Not Detected

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CERTIFICATE OF ANALYSIS

Residual Pesticides Results

Pass

11/13/2020

Residual pesticide analysis utilizing Liquid and Gas Chromatography – Mass Spectrometry (LC-MSMS + GC-MSMS); SOP-070-AR + SOP-073-AR) - Limit units: ug/g = ppm

Analyte	Pass/Fail	µg/g	Limit	LOD µg/g	LOQ µg/g	Analyte	Pass/Fail	µg/g	Limit	LOD µg/g	LOQ µg/g
Abamectin	Pass	ND	0.5	0.146	0.485	Imazail	Pass	ND	0.2	0.0187	0.0624
Acephate	Pass	ND	0.4	0.0113	0.0378	Imidacloprid	Pass	ND	0.4	0.00882	0.0294
Acequinocyl	Pass	ND	2	0.162	0.541	Kresoxim-methyl	Pass	ND	0.4	0.00781	0.0260
Acetamiprid	Pass	ND	0.2	0.0114	0.0381	Malathion	Pass	ND	0.2	0.00543	0.0181
Aldicarb	Pass	ND	0.4	0.0729	0.243	Metalaxyl	Pass	ND	0.2	0.00801	0.0267
Azoxystrobin	Pass	ND	0.2	0.0103	0.0343	Methiocarb	Pass	ND	0.2	0.00771	0.0257
Bifenazate	Pass	ND	0.2	0.00718	0.0239	Methomyl	Pass	ND	0.4	0.0115	0.0385
Bifenthrin	Pass	ND	0.2	0.0578	0.193	Methyl Parathion	Pass	ND	0.2	0.0128	0.0377
Boscalid	Pass	ND	0.4	0.0183	0.0611	MGK-264	Pass	ND	0.2	0.00171	0.00428
Carbaryl	Pass	ND	0.2	0.00686	0.0229	Myclobutanil	Pass	ND	0.2	0.00967	0.0322
Carbofuran	Pass	ND	0.2	0.00807	0.0269	Naled	Pass	ND	0.5	0.0173	0.0576
Chlorantraniliprole	Pass	ND	0.2	0.0126	0.0419	Oxamyl	Pass	ND	1	0.0163	0.0543
Chlorfenapyr	Pass	ND	1	0.0128	0.0377	Paclobutrazol	Pass	ND	0.4	0.0137	0.0456
Chlorpyrifos	Pass	ND	0.2	0.0117	0.0389	Permethrins	Pass	ND	0.2	0.0120	0.0351
Clofentezine	Pass	ND	0.2	0.0161	0.0537	Phosmet	Pass	ND	0.2	0.0121	0.0403
Cyfluthrin	Pass	ND	1	0.0197	0.0574	Piperonyl Butoxide	Pass	ND	2	0.00793	0.0264
Cypermethrin	Pass	ND	1	0.0197	0.0591	Prallethrin	Pass	ND	0.2	0.0263	0.0875
Daminozide	Pass	ND	1	0.0235	0.0784	Propiconazole	Pass	ND	0.4	0.00565	0.0188
Diazinon	Pass	ND	0.2	0.00833	0.0278	Propoxur	Pass	ND	0.2	0.00619	0.0206
DDVP (Dichlorvos)	Pass	ND	0.1	0.0110	0.0366	Pyrethrins	Pass	ND	1	0.00875	0.0292
Dimethoate	Pass	ND	0.2	0.0115	0.0384	Pyridaben	Pass	ND	0.2	0.0132	0.0440
Ethoprophos	Pass	ND	0.2	0.0112	0.0373	Spinosad	Pass	ND	0.2	0.0149	0.0498
Etofenprox	Pass	ND	0.4	0.0158	0.0528	Spiromesifen	Pass	ND	0.2	0.0130	0.0433
Etoxazole	Pass	ND	0.2	0.0128	0.0426	Spirotetramat	Pass	ND	0.2	0.00631	0.0210
Fenoxycarb	Pass	ND	0.2	0.0102	0.0339	Spiroxamine	Pass	ND	0.4	0.0193	0.0642
Fenpyroximate	Pass	ND	0.4	0.00819	0.0273	Tebuconazole	Pass	ND	0.4	0.00573	0.0191
Fipronil	Pass	ND	0.4	0.0159	0.0530	Thiacloprid	Pass	ND	0.2	0.00672	0.0224
Flonicamid	Pass	ND	1	0.0203	0.0675	Thiamethoxam	Pass	ND	0.2	0.00673	0.0224
Fludioxonil	Pass	ND	0.4	0.0192	0.0640	Trifloxystrobin	Pass	ND	0.2	0.00828	0.0276
Hexythiazox	Pass	ND	1	0.00844	0.0281						

Heavy Metals Results

Pass

11/13/2020

Heavy metals analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS; SOP-072-AR) - Limit units: µg/kg

Analyte	Pass/Fail	µg/kg	Limit	LOD µg/kg	LOQ µg/kg
Arsenic	Pass	20.3	200	3.14	10.5
Cadmium	Pass	ND	200	1.02	3.42
Lead	Pass	< LOQ	500	2.72	9.06
Mercury	Pass	ND	100	1.68	5.60

Microbial Impurities Results

Pass

11/13/2020

Microbiological screening utilizing 3M Petrifilm (SOP-700-AR) - Limit units: CFU/g

Analyte	Pass/Fail	Result	Limit	LOQ
Coliform	Pass	ND		Not Detected in 1 gram
General E. coli	NT	NT	NT	NT
Salmonella		NT	NT	NT

Moisture Results

NT

Moisture content analysis utilizing Moisture Balance (MB; SOP-055-AR)

Analyte	Pass/Fail	%	Limit
Moisture	NT	NT	

Water Activity Results

NT

Water activity analysis utilizing Water Activity Meter (WAM; SOP-059-AR) - Limit units: Aw

Analyte	Pass/Fail	Aw	Limit
Water Activity	NT	NT	

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Pharm D. Co-Owner & CEO
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CERTIFICATE OF ANALYSIS

Residual Solvents Results

Pass

11/15/2020

Residual solvents and processing chemicals analysis utilizing Headspace Gas Chromatography – Mass Spectrometry (HS-GC-MS; SOP-010-AR) - Limit units: µg/g

Analyte	Pass/Fail	µg/g	Limit	LOD µg/g	LOQ µg/g	Analyte	Pass/Fail	µg/g	Limit	LOD µg/g	LOQ µg/g
1-Butanol	Pass	ND	5000	59.9	200	Dimethyl Sulfoxide	Pass	ND	5000	51.9	173
1-Pentanol	Pass	ND	5000	99.9	333	Ethanol	Pass	< LOQ	5000	72.6	242
1-Propanol	Pass	ND	5000	149	497	Ethyl Acetate	Pass	ND	5000	26.1	87.0
1,2-Dimethoxyethane	Pass	ND	100	80.0	267	Ethyl Ether	Pass	ND	5000	9.16	30.5
1,4-Dioxane	Pass	ND	380	77.8	259	Ethylene Glycol	Pass	ND	620	8.57	28.6
2-Butanol	Pass	ND	5000	75.7	252	Ethylene Oxide	Pass	ND	50	6.03	20.1
2-Butanone	Pass	ND	5000	41.9	140	n-Heptane	Pass	ND	5000	33.1	110
2-Ethoxyethanol	Pass	ND	160	55.9	186	n-Hexane	Pass	ND	290	9.54	31.8
2-Methylbutane	Pass	ND	5000	7.20	24.0	Isopropyl Acetate	Pass	ND	5000	45.4	151
2-Methylpentane	Pass	ND	290	8.56	28.5	Methanol	Pass	ND	3000	32.5	108
2-Propanol (IPA)	Pass	ND	5000	106	345	Methylpropane	Pass	ND	5000	8.66	28.9
2,2-Dimethylbutane	Pass	ND	290	16.0	53.3	N,N-Dimethylacetamide	Pass	ND	1090	60.7	202
2,3-Dimethylbutane	Pass	ND	290	6.96	23.2	N,N-Dimethylformamide	Pass	ND	880	82.2	274
3-Methylpentane	Pass	ND	290	8.85	29.5	n-Pentane	Pass	ND	5000	7.61	25.4
Acetone	Pass	ND	5000	168	559	Propane	Pass	ND	5000	8.61	28.7
Acetonitrile	Pass	ND	410	68.0	204	Pyridine	Pass	ND	200	50.1	167
Benzene	Pass	ND	2	1.53	5.09	Sulfolane	Pass	ND	160	30.2	101
n-Butane	Pass	ND	5000	6.87	22.9	Tetrahydrofuran	Pass	ND	720	35.4	118
Cumene	Pass	ND	70	29.8	99.3	Toluene	Pass	ND	890	79.0	263
Cyclohexane	Pass	ND	3880	18.2	60.7	Xylenes	Pass	ND	2170	109	363
Dichloromethane	Pass	ND	600	7.68	25.6						

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